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TITLE: Inter-calibration of EIS, XRT and AIA using Active Region and Bright Point Data

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ABSTRACT:

Title: **Inter-calibration of EIS, XRT and AIA using Active Region and Bright Point Data**

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Certain limitations in our solar instruments have created the need to use several instruments together for long term and/or large field of view studies. We will, therefore, present an inter-calibration study of the EIS, XRT and AIA instruments using active region and bright point data. We will use the DEMs calculated from EIS bright point observations to determine the expected AIA and XRT intensities. We will then compare to the observed intensities and calculate a correction factor. We will consider data taken over a year to see if there is a time dependence to the correction factor. We will then determine if the correction factors are valid for active region observations.